

Footnotes

- 1 This value is for Arsenic III.
2 This value is for Chromium VI.
3 Freshwater aquatic life values for pentachlorophenol are expressed as a function of pH, and are calculated as follows: CMC=exp(1.005(pH)-4.869); CCC=exp(1.005(pH)-5.134). Value based on pH=7.8.
4 This value is for the sum of 2,4'- and 4,4'-isomers of either DDE or DDT; 0.000031 ug/L is the value for the sum of 2,4'- and 4,4'-DDD isomer.
5 The arsenic criteria are expressed as total inorganic arsenic. The "water + organism" criterion is based on a risk level of 1×10^{-4}
6 Anthracene = 0.73 ug/L; Benzo(a)anthracene = 0.027 ug/L; Benzo(a)pyrene = 0.014 ug/L; 2-methylnaphthalene = 2.1 ug/L; Naphthalene = 12 ug/L.
7 This value is for DDT.
8 This value is for the dissolved fraction.
9 This is a hardness dependent metal. All values were calculated based on 25 mg/l of CaCO₃
10 Expressed as free cyanide.
11 Value expressed as total cyanide (CN)/L.

NA Value not available.

| RAO 8 | |
|-------|------------|
| Units | Pore Water |
| ug/L | NA |
| ug/L | NA |
| | |
| ug/L | Note 6 |
| ug/L | 12 |
| ug/L | 0.014 |
| ug/L | 2.6 |
| | |
| | |
| ug/L | 0.011 |
| ug/L | NA |
| | |
| ug/L | NA |
| | |
| ug/L | NA |
| | |
| ug/L | 0.54 |
| ug/L | 120 |
| ug/L | NA |
| ug/L | 20 |
| ug/L | 36.5 |
| | |
| | |
| ug/L | 14 |
| ug/L | NA |
| ug/L | NA |
| | |
| ug/L | 130 |
| ug/L | 64 |
| ug/L | 28 |
| ug/L | 25 |
| ug/L | 590 |
| ug/L | NA |
| ug/L | 7.3 |
| ug/L | NA |
| ug/L | 47 |
| ug/L | 9.8 |
| ug/L | NA |
| ug/L | NA |
| ug/L | 13 |
| ug/L | 67 |
| ug/L | 13 |
| | |
| ug/L | 5.2 |
| ug/L | 9300 |

nined using either a one-
ple is considered to have

| COCs | RAO 1 | | RAO 2 | | |
|---------------------------------------|-------|----------|--------|----------|---------------|
| | Beach | Sediment | Tissue | Sediment | Surface Water |
| Persistent | | | | | |
| Total PCBs | -- | R | R | B | A1 |
| Dioxin/Furan (2,3,7,8-TCDD Eq) | -- | R | R | R | A1 |
| Hydrocarbons | | | | | |
| Total cPAH (BaP Eq) | R | R | R | R | A1 |
| Total PAH | -- | -- | -- | -- | -- |
| Total LPAH | -- | -- | -- | -- | NA |
| Total HPAH | -- | -- | -- | -- | NA |
| TPH (C-10 to C-12 aliphatic/aromatic) | -- | -- | -- | -- | -- |
| Pesticides | | | | | |
| Aldrin | -- | -- | R | R | A1 |
| Dieldrin | -- | -- | R | R | A1 |
| Total DDX | -- | -- | R | R | A1 |
| gamma-HCH (Lindane) | -- | -- | -- | -- | A1 |
| Total Chlordanes | -- | -- | R | R | A1 |
| 2,4-D | -- | -- | -- | -- | A1 |
| 2,4,5-TP (Silvex) | -- | -- | -- | -- | A1 |
| MCPP | -- | -- | -- | -- | NA |
| Metals | | | | | |
| Arsenic | B | B | R | NA | A1 |
| Cadmium | -- | -- | -- | -- | -- |
| Chromium | -- | -- | -- | -- | NA |
| Copper | -- | -- | -- | -- | -- |
| Lead | -- | -- | -- | -- | -- |
| Manganese | -- | -- | -- | -- | NA |
| Mercury | -- | -- | R | NA | NA |
| Vanadium | -- | -- | -- | -- | -- |
| Zinc | -- | -- | -- | -- | -- |
| Phthalates | | | | | |
| BEHP | -- | -- | R | NA | A1 |
| Butyltins | | | | | |
| TBT | -- | -- | -- | -- | -- |

| SVOCs | | | | | |
|---|----|----|----|----|----|
| 1,2-Dichlorobenzene | -- | -- | -- | -- | A1 |
| Hexachlorobenzene | -- | -- | R | B | A1 |
| Pentachlorophenol | -- | -- | -- | -- | A1 |
| VOCs | | | | | |
| Benzene | -- | -- | -- | -- | A1 |
| Chlorobenzene | -- | -- | -- | -- | A1 |
| Chloroform | -- | -- | -- | -- | A1 |
| 1,1-Dichloroethene/1,1-Dichloroethylene (1,1-DCE) | -- | -- | -- | -- | A1 |
| cis-1,2-Dichloroethene/cis-1,2-Dichloroethylene (c-1,2-DCE) | -- | -- | -- | -- | NA |
| trans-1,2-Dichloroethene/trans-1,2-Dichloroethylene (t-1,2-DCE) | -- | -- | -- | -- | A1 |
| Ethylbenzene | -- | -- | -- | -- | A1 |
| Tetrachloroethylene (PCE) | -- | -- | -- | -- | A1 |
| Trichloroethylene (TCE) | -- | -- | -- | -- | A1 |
| Toluene | -- | -- | -- | -- | A1 |
| 1,1,1-Trichloroethane (TCA) | -- | -- | -- | -- | NA |
| Vinyl chloride | -- | -- | -- | -- | A1 |
| o-Xylene | -- | -- | -- | -- | NA |
| m- and p-Xylene | -- | -- | -- | -- | NA |
| Total Xylene | -- | -- | -- | -- | NA |
| Other | | | | | |
| PBDE | -- | -- | R | NA | NA |
| Cyanide | -- | -- | -- | -- | A1 |
| Perchlorate | -- | -- | -- | -- | NA |
| Toxicity | | | | | |
| Benthic Toxicity | -- | -- | -- | -- | |

- R Risk-based threshold
R2 Regional Screening Level for Tap Water (Nov 2013)
B Background
A1 ARAR - Based on Oregon WQS Table 40 (organism + 1)
A2 ARAR- MCL (Nov 2013)
A3 ARAR - Based on Oregon WQS Tables 20, 33A and 33C
A4 ARAR - Based on Oregon WQS Table 33C

| RAO 3 | RAO 4 | RAO 5 | RAO 6 | | RAO 7 | RAO 8 |
|---------------|-------------|----------|----------|---------------|---------------|------------|
| Surface Water | Groundwater | Sediment | Sediment | Surface Water | Surface Water | Pore Water |
| A1 | A2 | R | R | A3 | R | NA |
| A1 | A2 | -- | R | | A4 | NA |
| A2 | A2 | -- | -- | | -- | -- |
| -- | -- | R | -- | | NA | R |
| A2 | A2 | R | -- | | A3 | R |
| A2 | A2 | R | -- | | A3 | R |
| -- | -- | R | -- | | -- | R |
| R2 | -- | R | -- | | A5 | -- |
| R2 | -- | R | -- | | A3 | -- |
| A2 | A2 | R | -- | A5 | R | R |
| A2 | A2 | R | -- | | A3 | NA |
| A2 | A2 | R | -- | | A3 | NA |
| A2 | A2 | -- | -- | | NA | NA |
| A2 | A2 | -- | -- | | NA | NA |
| R2 | -- | -- | -- | | -- | -- |
| A2 | A2 | -- | -- | | A3 | NA |
| -- | -- | R | -- | | A3 | -- |
| A2 | A2 | R | -- | | A3 | NA |
| -- | -- | R | -- | | A3 | -- |
| -- | -- | R | R | | A3 | R |
| R2 | R2 | -- | -- | | -- | R |
| -- | -- | -- | -- | | A3 | R |
| -- | -- | -- | -- | | -- | R |
| -- | A2 | R | -- | | A3 | R |
| A2 | -- | R | -- | | A4 | -- |
| -- | -- | R | -- | | A3 | -- |

| | | | | | | |
|-------|----|----|----|--|----|----|
| A2 | A2 | -- | -- | | A4 | R |
| A2 | A2 | -- | -- | | NA | NA |
| A2 | A2 | -- | -- | | A3 | NA |
| <hr/> | | | | | | |
| A2 | A2 | -- | -- | | -- | R |
| A2 | A2 | -- | -- | | A4 | R |
| A2 | A2 | -- | -- | | A4 | R |
| A2 | A2 | -- | -- | | -- | R |
| A2 | A2 | -- | -- | | -- | R |
| A2 | A2 | -- | -- | | -- | NA |
| A2 | A2 | -- | -- | | R3 | R |
| A2 | A2 | -- | -- | | A4 | NA |
| A2 | A2 | -- | -- | | A4 | R |
| A2 | A2 | -- | -- | | -- | R |
| A2 | A2 | -- | -- | | -- | NA |
| A2 | A2 | -- | -- | | NA | NA |
| R2 | R2 | -- | -- | | -- | R |
| NA | NA | -- | -- | | -- | R |
| A2 | A2 | -- | -- | | -- | R |
| <hr/> | | | | | | |
| NA | -- | -- | -- | | -- | -- |
| A1 | A2 | -- | -- | | A3 | R |
| A2 | A2 | -- | -- | | -- | R |
| <hr/> | | | | | | |
| -- | -- | R | -- | | -- | -- |

water)

B (chronic) - Feb 7, 2013

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